



Project: _____
 Location: _____
 Cat. #: _____
 Type: _____
 Quantity: _____

Powered by  Biotechnology

WCS | ADB Wireless Control System

The WCS controller provides centralized monitoring and control of your ADB system, enhancing its flexibility and operational value. It enables you to adjust treatment output and configure time-of-day schedules tailored to your specific processes, operating hours, and changing environmental conditions.

Communication between the WCS and ADB units occurs over a secure wireless ZigBee mesh network using either 900MHz or 2.4GHz frequencies. Access to settings is protected by password authentication to ensure system security.

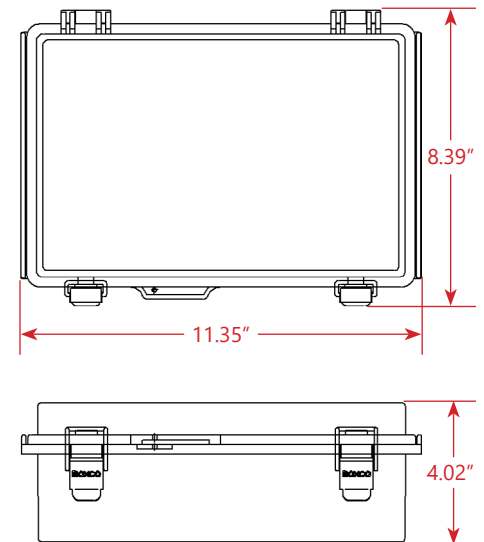
Features:

- HMI touch screen display
- Utilizes Zigbee mesh network protocol for wireless connectivity
- Available 2.4GHz or 900MHz (long range) frequency band
- Up to 20 ADB units on a single WCS
- Restricted access (Password Protected)
- Scheduling
- Zone control
- Adjustable treatment output
- Network monitoring

Construction:

- ABS plastic housing; polycarbonate cover
- Stainless steel latches
- IP66 / IP67 / NEMA 4X
- 7" HMI touch screen display
- 6' Cord with 120V plug standard; 230V optional, specify plug type

Schematic:



Ordering Guide: ex: WCS LR 230VG

Series	Frequency	Voltage / Plug
WCS		
WCS Wireless Control System	Blank 2.4 GHz (~140' range) ⁽¹⁾	Blank 120V, Type B Plug
	LR 900 MHz (Long Range - ~360') ⁽¹⁾	230Vp 230V, 'p' = specify plug type

Notes

⁽¹⁾ Signal range is an estimate and subject to variation due to physical obstructions such as walls, ceilings, and doors, as well as sources of electromagnetic interference. To extend coverage or enhance network reliability in challenging environments, signal repeaters may be used to amplify transmission and improve network stability.

Plug Types ('p'):

- D** Type D, 230V
- E** Type E, 230V
- F** Type F, 230V
- G** Type G, 230V
- H** Type H, 230V
- I** Type I, 230V
- J** Type J, 230V
- K** Type K, 230V
- L** Type L, 230V



Accessories: (order separately)

Accessory Part #	Compatible ADB Controller	Description
RPTc	WCS, WCS 230V	2.4 GHz Wireless Signal Repeater, universal 120V - 230V, (c = specify clip type).
RPTc LR	WCS LR, WCS LR 230V	900 MHz Long Range Wireless Signal Repeater, universal 120V-230V, (c = specify clip type).



Clip Types ('c'):

- A USA
- B Brazil
- C China
- E Europe
- H Korea
- I India
- K UK
- N Argentina
- S Australia
- Blank A, E, K, S